

#### ABSTRACT OF THE DISCLOSURE

The present invention provides an electric motor movement controlling method, where the electric motor is fed by a total voltage proportional to the network voltage. The method comprises steps of making a first measurement of level of the network voltage at a first moment of measurement and making a second measurement of level of the network voltage; at a second moment of measurement, calculating the value of the derivative of the values of voltage measured in function of the first and second moments of measurement, to obtain a value of a proportional network voltage, and altering the value of the total voltage fed to the motor, proportionally to the value of the proportional network. A system that will implement the steps of the method of the present invention, as well as a compressor comprising the system of the present invention are foreseen.